

The seal of the Town of Star Valley Ranch, Wyoming, is a circular emblem. The outer ring contains the text "TOWN OF STAR VALLEY RANCH, WY" at the top and "ESTABLISHED 2005" at the bottom, separated by two stars. The inner circle depicts a landscape with a mountain range, evergreen trees, and two deer in the foreground. The text "Public Meeting" is overlaid on the seal in a large, bold, black font.

# **Public Meeting**

**November 9, 2023**

**EPA Proposed Water System Requirements**



# Our Water System

- Water Sources
  - Spring Water Supply:
    - Prater Canyon Spring
  - Groundwater Supply:
    - North Airstrip Well No. 1 (across from Town Hall)
    - TSVR Well No. 2 (Fox Run Park)
    - TSVR Well No. 3 (behind First Response Center)
- Three Storage Tanks
  - Green Canyon Tank, 400,000 gallons
  - Prater Canyon Tank No. 1, 175,000 gallons
  - Prater Canyon Tank No. 2, 400,000 gallons
- Green Canyon Pump Station
- Many, many miles of distribution lines



# Our EPA Sampling Requirements

- As a small water system, we are required by the EPA, under the August 2016 Revised Total Coliform Rule (RTCR), to do the following:
  - Develop/Maintain a “Sample Siting Plan”
  - Collect Drinking Water Samples
    - We collect two routine drinking water samples every calendar month in accordance with our plan
    - Samples must be *Immediately Sent to a State-Certified Lab* that performs Total Coliform (TC) drinking water analyses.
      - The lab must begin analyzing the drinking water sample no later than the 30th hour from the collection time
  - Conduct Further Actions as Required Based on Sampling Results
    - If any of the initial two routine samples are TC positive (TC+) an automatic repeat test must be conducted
    - Three repeat samples are required for each TC+ sample
    - Sampling results from the repeat tests determine further actions required by the EPA

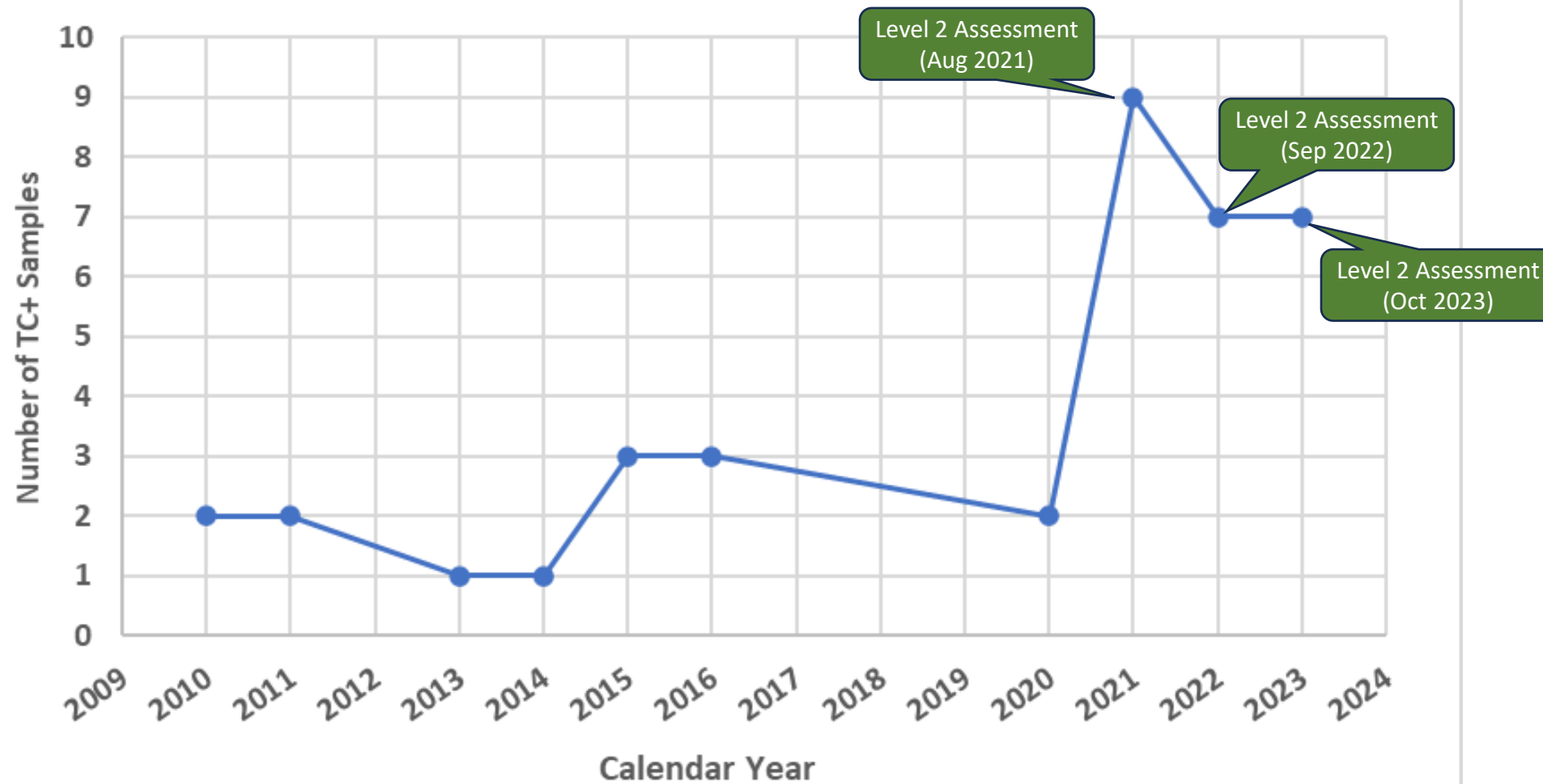


# What is an Assessment?

- When sampling results indicate potential contamination, we must perform an assessment (Level 1 or Level 2) to *find and fix* “Sanitary Defects”
  - A sanitary defect can provide a pathway of entry for microbial contamination into the distribution system or indicate imminent failure in an existing barrier (e.g. cracked tank, broken seals, etc.)
- A Level 2 Assessment is a more comprehensive and in-depth examination compared to a Level 1 Assessment because the cause of the Level 2 assessment is more critical and likely to result in a public health impact
  - A Level 1 assessment is typically conducted by Town Staff
  - A Level 2 assessment is conducted by the EPA or their representative



## TSVR TC+ Samples 2010 to Present





# What EPA is Proposing & Next Steps

- Following Oct 2023 Level 2 Assessment, EPA amended Sep 2022 Level 2 Assessment Corrective Action Plan to require chlorination of our water system until such time that the Green Canyon Water Storage Tank liner project is completed
- After recent discussion with EPA representatives, TSVR will provide a Plan of Action with alternatives in lieu of immediate system-wide chlorination
  - Alternatives such as rigorous evaluation of current sampling processes and re-training of staff as required; shock chlorination followed by resampling; installation of discrete sampling taps; as well as possible acceleration of the Green Canyon Water Storage Tank liner replacement project
- EPA will consider acceptability of this Plan of Action in the coming weeks

**TSVR Will Keep Residents Apprised of All Developments as We Move Forward**